

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 052184116			
2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 1000009200			
4. AWARD NO.: N00014-18-1-2312		5. MODIFICATION NO.:		6. MODIFICATION TYPE: NEW	
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT12488286		9. RECIPIENT PROPOSAL NO.:		10. PROPOSAL DATE: 09292017	
11. ACTIVITY TYPE: R&D		12. PROGRAM TYPE: YIP			
13. ISSUED TO 13a. ADDRESS:  CARNEGIE MELLON UNIVERSITY 5000 FORBES AVE PITTSBURGH PA 15213-3815 UNITED STATES OF AMERICA		13b. CAGE: 97668		13c. EDI/EFT NUMBER: N/A	
13d. BUSINESS OFFICE CONTACT: Judy Coyle		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as Block # 13			
13e. TELEPHONE NUMBER: 412-268-5597					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Knowledge Graphs for Planning and Perception					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$0.00	
OBLIGATED BY THIS ACTION:				\$25,000.00	
TOTAL OBLIGATED ON AWARD:				\$25,000.00	
FUTURE FUNDING:				\$504,311.00	
GRANT TOTAL:				\$529,311.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 06/01/2018 THROUGH 05/31/2022					
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Abhinav Gupta		21. TECHNICAL REPRESENTATIVE 21a. NAME: BEHZAD KAMGARPARSI		21b. CODE: 311	
		21c. ADDRESS: MATH COMPUTERS & INFO RESEARCH DIV 875 N. Randolph Street Arlington VA 22203-1995			
20b. TELEPHONE NUMBER: 412-268-2067		20c. EMAIL ADDRESS: abhinavg@cs.cmu.edu		21d. TELEPHONE NUMBER:	
				21e. EMAIL ADDRESS: BEHZAD.KAMGARPARSI@NAVY.MIL	
22. AWARDDING OFFICE CONTACT 22a. NAME: ELIZABETH FORD		22b. CODE: BD255		23a. ADMINISTRATIVE OFFICE: ONR REG Office Chicago Telephone: (312) 886-5423 Email: ONR_Chicago@navy.mil 230 South Dearborn CHICAGO IL 60604-1595	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street, Suite 1425 Arlington, VA 22203-1995		23b. CODE: N62880			
22d. TELEPHONE NUMBER: 703-696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL			
24. SUBMIT PAYMENT REQUEST TO: Same as block 23a		25a. PAYING OFFICE DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128		25b. CODE: HQ0337	
		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR Office of Counsel Intellectual Property Section One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995		26b. CODE: N00014	



## FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2312			2. SPIIN (CRITICAL)		3. MOD (CRITICAL)			4. PR NUMBER 1000009200									
CLIN/SLIN	6. LINE OF ACCOUNTING													7.  AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE						
											PROJ UNIT	MCC	PDLI & SUF				
	AA	1781319	W1AE	410	00	014	0	050120	2D	000000	000024	189	888	\$25,000.00			
PAGE TOTAL														\$25,000.00			
GRAND TOTAL														\$25,000.00			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL:											
DATE:						FOR FISCAL DATA AND SIGNATURE											
						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED											
DATE:						DATE:											

## FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2312		2. SPIIN (CRITICAL)		3. MOD (CRITICAL)		4. PR NUMBER 1000009200		
5. CLIN/SLIN	6. ACRN (CRITICAL)	7.  ACCOUNTING CITATION				8.  AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY:				COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:				BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED				
				DATE:				

AWARD NO. N00014-18-1-2312	<b>SPECIAL REQUIREMENTS</b>	MODIFICATION NO.	
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1. The Following payment instructions are hereby provided:

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Payment Office:  
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The payment office shall make payment in sequential ACRN order within the award, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric; numeric/alpha; and numeric/numeric ACRN sequence.  
..  
Grantee:  
..  
Payment guides are available on the ONR website at the following link: <http://www.onr.navy.mil/Contracts-Grants/manage-grant/grants-payment/electronic-payment.aspx>  
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2. Reports

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Block 31 of this award form, including any information in the header and underlying rows of that block, is hereby deleted in its entirety and replaced by the following language: "The reporting requirements under this award are specified in the articles of Part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D General Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions".